

CLAIM AMENDMENTS

This listing of claims will replace all prior versions, and listings, of claims in the application.

1 1-7. (Cancelled)

1 8. (Amended) A method for authenticating the identity of a person

2 comprising:

3 obtaining baseline samples of biometric data from the person;

4 forming a baseline profile from the biometric data;

5 repeatedly obtaining additional biometric data from the person in

6 response to the person accessing a portable device for information comprising
7 time of day;

8 comparing the additional data to the baseline profile for authenticating
9 identity of the person; and

10 developing a response to said comparing.

1 9. (Amended) The method according to claim 8, wherein said accessing

2 comprises the person pressing a button on the portable device ~~information~~

3 ~~comprises time of day~~.

1 10. (Amended) The method according to claim [9] 8, wherein said portable

2 device is wrist-worn.

1 11. (Original) The method according to claim 8, wherein said obtaining

2 baseline samples comprises obtaining an image of the person's face.

1 12. (Original) The method according to claim 11, wherein said obtaining

2 baseline samples comprises obtaining an image of the person's iris.

1 13. (Original) The method according to claim 8, wherein said obtaining

2 baseline samples comprising obtaining a fingerprint image of the person.

1 14. (Original) The method according to claim 8, further comprising
2 performing a superresolution algorithm on the baseline samples.

1 15. (Original) The method according to claim 14, further comprising
2 communicating the baseline samples from the portable device to an external
3 computer system, wherein said performing the superresolution algorithm is
4 performed in the external computer system.

1 16. (Original) The method according to claim 15, wherein the external
2 computer system performs said comparing the additional data to the baseline
3 samples.

1 17. (Original) The method according to claim 15, further comprising
2 upgrading a superresolution algorithm stored in the external computer.

1 18. (Original) The method according to claim 8, said comparing being by the
2 portable device.

1 19. (Original) The method according to claim 8, said comparing being a
2 computer system that is external to the portable device.

1 20. (Original) The method according to claim 19, wherein the external
2 computer system includes mass storage for storing the additional biometric
3 data.

1 21. (Original) The method according to claim 8, wherein the response
2 disallows a transaction attempted by the wearer.

1 22. (Original) The method according to claim 21, said comparing
2 comprising:
3 forming a level of confidence that the identity of the person is correct;
4 and
5 comparing the level of confidence to predetermined minimum
6 threshold level.

1 23. (Original) The method according to claim 22, said predetermined
2 minimum threshold being for a particular transaction attempted by the person.

1 24. (Original) The method according to claim 21, further comprising sensing
2 that the device is not being worn by the person and developing the response
3 when the device is not being worn by the person.

1 25. (Original) The method according to claim 24, said sensing that the device
2 is not being worn by the person comprising sensing a body temperature of the
3 person.

1 26. (Original) The method according to claim 25, said sensing that the device
2 is not being worn by the person comprising sensing a bio-noise of the person.

1 27. (Original) The method according to claim 8, further comprising:
2 sensing environmental information; and
3 including the environmental information in the baseline profile.

1 28. (Original) The method according to claim 27, wherein said environmental
2 information comprises geographic location.

1 29. (Original) The method according to claim 8, further comprising updating
2 the baseline sample by the additional biometric data when the additional
3 biometric data successfully authenticates the identity of the person.

1 30. (Previously Presented) A method for authenticating the identity of a
2 person comprising:
3 obtaining baseline samples of biometric data from the person over a
4 period of at least one day, the baseline samples being collected while the
5 person goes about his or her normal activities;
6 forming a baseline profile from the biometric data;
7 repeatedly obtaining additional biometric data from the person;

8 comparing the additional data to the baseline profile for authenticating
9 identity of the person; and
10 developing a response to said comparing.

1 31. (Original) The method according to claim 30, further comprising freezing
2 the baseline profile after said obtaining baseline samples.

1 32. (Original) The method according to claim 30, further comprising
2 updating the baseline sample by the additional biometric data when the
3 additional biometric data successfully authenticates the identity of the person.

1 33. (Original) The method according to claim 30, wherein the response
2 disallows a transaction attempted by the wearer.

1 34. (Amended) The method according to claim 30, the method being
2 performed by portable device ~~wherein the baseline samples are collected while~~
3 ~~the person goes about his or her normal activities.~~

1 35. (Original) The method according to claim 30, wherein said obtaining
2 baseline samples comprises obtaining an image of the person's face.

1 36. (Original) The method according to claim 35, wherein said obtaining
2 baseline samples comprises obtaining an image of the person's iris.

1 37. (Original) The method according to claim 30, wherein the baseline
2 samples include voice samples of the person.

1 38. (Previously Presented) A method for authenticating the identity of a
2 person comprising:
3 obtaining baseline samples of biometric data from the person over a
4 period of at least one day;
5 forming a baseline profile from the biometric data;
6 repeatedly obtaining additional biometric data from the person;

7 comparing the additional data to the baseline profile for authenticating
8 identity of the person; and

9 updating the baseline sample by the additional biometric data when the
10 additional biometric data successfully authenticates the identity of the person.

1 39. (New) The method according to claim 38, the method being performed
2 by a portable device.

1 40. (New) An apparatus for authenticating the identity of a person,
2 comprising:

3 a portable display for providing information to a user of the apparatus,
4 the information comprising time of day;

5 means for repeatedly obtaining an image of the user in response to the
6 user accessing the apparatus for the time of day information; and

7 a memory for storing a baseline profile of the user, wherein the images
8 are compared to the baseline profile for authenticating the identity of the
9 person.

1 41. (New) The apparatus according to claim 40, wherein the user is required
2 to press a button on the apparatus to receive the time of day information.

1 42. (New) The apparatus according to claim 40, wherein said portable device
2 is wrist-worn.

1 43. (New) The apparatus according to claim 40, further comprising means for
2 updating the baseline sample by the additional biometric data when the
3 additional biometric data successfully authenticates the identity of the person.